

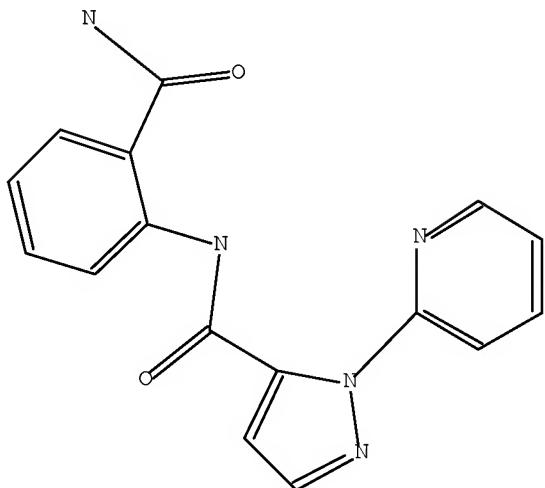
L1 STRUCTURE UPLOADED

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

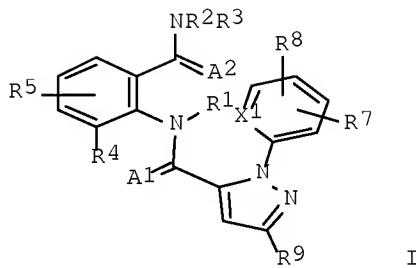


E ACRINATHRIN/CN  
SET EXPAND CONTINUOUS

L2 1 S E3  
E BETACYFLUTHRIN/CN  
E ?CYFLUTHRIN/CN  
E CYFLUTHRIN/CN  
L3 1 S E39  
E CYPERMETHRIN/CN  
L4 1 S E51  
E DELTAMETHRIN/CN  
L5 1 S E63  
E LAMBDA?CYHALOTHRIN/CN  
E LAMBDA-CYHALOTHRIN/CN  
L6 1 S E87  
E TAUFLUVALINATE/CN  
E TAU-FLUVALINATE/CN  
L7 1 S E111  
E GAMMA-CYHALOTHRIN/CN  
L8 1 S E123  
L9 50 S L1 SSS SAM  
L10 151660 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:59:27 ON 15 JUL 2010  
L11 170 S L10 AND (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8)  
L12 8 S L11 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)

L12 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN  
GI



AB Synergistic insecticidal combinations comprise anthranilic acid amides I [A1, A2 = O or S; X1 = N or (un)substituted NH; R1 = H, (un)substituted alkyl, alkenyl, alkynyl or cycloalkyl; R2 = H, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, etc.; R3 = H, (un)substituted alkyl, alkenyl, etc.; R2NR3 = ring; R4 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl, (un)substituted Ph, benzyl, PhO, etc; R5, R8 = H, halo, (un)substituted (halo)alkyl, etc.; R7 = H, halo (halo)alkyl, (halo)alkoxy, etc.; R9 = haloalkyl, haloalkoxy, haloalkylsulfinyl or halo] and pyrethroids.

ACCESSION NUMBER: 2005:470211 CAPLUS Full-text

DOCUMENT NUMBER: 143:2640

TITLE: Synergistic insecticidal combinations comprising

anthranilic acid amides and pyrethroids.

INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer, Ruediger;

Hungenberg, Heike; Andersch, Wolfram;

Thielert,

Wolfgang; Kraus, Anton

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 64 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

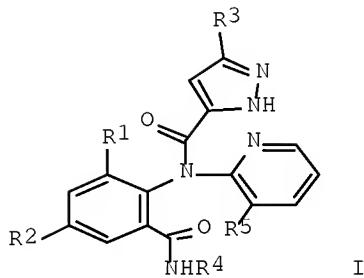
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	----
-----	-----	-----	-----	-----
WO 2005048713	A1	20050602	WO 2004-EP12330	
20041030 <--				
CA, CH,				
GB, GD,				
KZ, LC,				
NA, NI,				
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,				
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,				
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,				
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,				

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,  
 SL, SY,  
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
 ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
 ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,  
 DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT,  
 RO, SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
 MR, NE,  
 SN, TD, TG  
 DE 102004021564 A1 20050707 DE 2004-102004021564  
 20040503 <-- AU 2004290502 A1 20050602 AU 2004-290502  
 20041030 <-- EP 1686859 A1 20060809 EP 2004-791083  
 20041030 <--  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 MC, PT,  
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK  
 CN 1882245 A 20061220 CN 2004-80033692  
 20041030 <-- BR 2004016560 A 20070123 BR 2004-16560  
 20041030 <-- JP 2007510683 T 20070426 JP 2006-538722  
 20041030 <-- RU 2381651 C2 20100220 RU 2006-120438  
 20041030 <-- IN 2006DN02516 A 20070406 IN 2006-DN2516  
 20060504 <-- MX 2006005262 A 20060720 MX 2006-5262  
 20060510 <-- ZA 2006003764 A 20070926 ZA 2006-3764  
 20060511 <-- KR 2006126498 A 20061207 KR 2006-711507  
 20060612 <-- US 20080070863 A1 20080320 US 2007-579076  
 20070928 <--  
 PRIORITY APPLN. INFO.: DE 2003-10353280 A  
 20031114 <-- DE 2004-102004021564A  
 20040503 WO 2004-EP12330 W  
 20041030

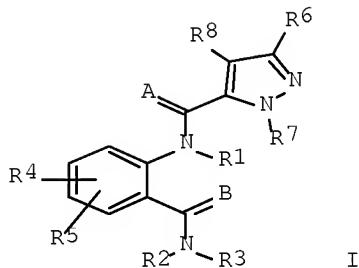


AB Title compds. [I; R1, R2 = H, alkyl, alkenyl, alkynyl, cycloalkyl, haloalkyl, haloalkenyl, haloalkynyl, halo, cyano, alkoxy, haloalkoxy, alkylthio, alkylsulfonyl, trialkylsilyl, etc.; R3 = H, alkyl, haloalkyl, halo, cyano, NO<sub>2</sub>, alkoxy, haloalkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkylthio, alkoxy carbonyl, etc.; R4 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R5 = H, alkyl, alkenyl, alkynyl, cycloalkyl, haloalkyl, haloalkenyl, haloalkynyl, halocycloalkyl, halo, cyano, CO<sub>2</sub>H, CONH<sub>2</sub>, NO<sub>2</sub>, OH, alkoxy, haloalkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, alkylcarbonyl, alkoxy carbonyl, trialkylsilyl, etc.], were prepared. Thus, 1-(3-chloro-2-pyridinyl)-3-trifluoromethyl-1H-pyrazole-5-carboxylic acid (preparation given) was stirred with (COCl)<sub>2</sub> and cat. DMF in CH<sub>2</sub>Cl<sub>2</sub> to give crude acid chloride, which was refluxed 3 h with 8-methyl-2H-3,1-benzoxazine-2,4(1H)-dione (preparation given) and pyridine in MeCN to give 2-[1-(3-chloro-2-pyridinyl)-3-trifluoromethyl-1H-pyrazol-5-yl]-8-methyl-4H-3,1-benzoxazin-4-one. The latter was refluxed 1.5 h with Me<sub>2</sub>CHNH<sub>2</sub> to give 1-(3-chloro-2-pyridinyl)-N-[2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-trifluoromethyl-1H-pyrazole-5-carboxamide. This was stirred overnight with DBU in MeCN to give N-(3-chloro-2-pyridinyl)-N-[2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-5-trifluoromethyl-1H-pyrazole-3-carboxamide. The latter at 250 ppm on radishes preinfested with *Plutella xylostella* gave ≤10% feeding damage.

ACCESSION NUMBER: 2003:261833 CAPLUS Full-text  
 DOCUMENT NUMBER: 138:287669  
 TITLE: Preparation of pyrazolylcarbonyl pyridinyl anthranilamides as arthropodicides  
 INVENTOR(S): Zimmerman, William Thomas  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
WO 2003027099	A1	20030403	WO 2002-US28274	
20020906 <--				
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,				

CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,  
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,  
 OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR,  
 TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2002332864 A1 20030407 AU 2002-332864  
 20020906 <--  
 AU 2002332864 B2 20070705  
 EP 1438305 A1 20040721 EP 2002-799567  
 20020906 <--  
 EP 1438305 B1 20060823  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
 BR 2002012695 A 20041019 BR 2002-12695  
 20020906 <--  
 CN 1556806 A 20041222 CN 2002-818570  
 20020906 <--  
 CN 1279038 C 20061011  
 JP 2005505576 T 20050224 JP 2003-530687  
 20020906 <--  
 ES 2271371 T3 20070416 ES 2002-799567  
 20020906 <--  
 US 20040186141 A1 20040923 US 2004-485093  
 20040126 <--  
 US 7179824 B2 20070220  
 IN 2004MN00089 A 20050429 IN 2004-MN89  
 20040205 <--  
 MX 2004002647 A 20040607 MX 2004-2647  
 20040319 <--  
 PRIORITY APPLN. INFO.: US 2001-324011P P  
 20010921 <--  
 WO 2002-US28274 W  
 20020906 <--



AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an anthranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodicidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corm, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.

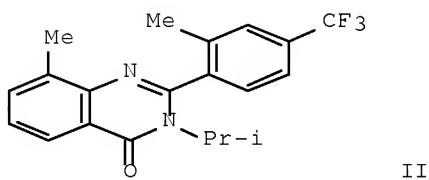
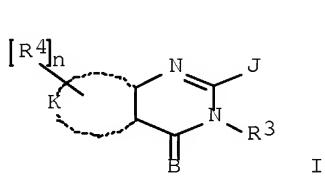
ACCESSION NUMBER: 2003:242097 CAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 138:267201  
 TITLE: Pesticidal compositions for coating plant propagation  
 INVENTOR(S): material containing anthranilamides  
 Berger, Richard Alan; Flexner, John Lindsey  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 147 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	----
-----	-----	-----	-----	-----
WO 2003024222	A1	20030327	WO 2002-US30302	
20020910 <--				
CH, CN,				
GE, GH,				
LK, LR,				
OM, PH,				
TT, TZ,				
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,				
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,				
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR,				

UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES,  
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF,  
 BJ, CF,  
 CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 TW 283164 B 20070701 TW 2002-91118199  
 20020813 <--  
 CA 2458163 A1 20030327 CA 2002-2458163  
 20020910 <--  
 AU 2002341819 B9 20030401 AU 2002-341819  
 20020910 <--  
 AU 2002341819 A1 20030401  
 AU 2002341819 B2 20070719  
 EP 1427285 A1 20040616 EP 2002-775972  
 20020910 <--  
 EP 1427285 B1 20070822  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
 BR 2002012993 A 20040817 BR 2002-12993  
 20020910 <--  
 JP 2005502716 T 20050127 JP 2003-528126  
 20020910 <--  
 JP 3770495 B2 20060426  
 HU 2004001893 A2 20050128 HU 2004-1893  
 20020910 <--  
 HU 2004001893 A3 20051128  
 NZ 532269 A 20051028 NZ 2002-532269  
 20020910 <--  
 CN 1713819 A 20051228 CN 2002-818578  
 20020910 <--  
 CN 100539840 C 20090916  
 RU 2292138 C2 20070127 RU 2004-111986  
 20020910 <--  
 AT 370656 T 20070915 AT 2002-775972  
 20020910 <--  
 PT 1427285 E 20071127 PT 2002-775972  
 20020910 <--  
 ES 2291500 T3 20080301 ES 2002-775972  
 20020910 <--  
 IL 159947 A 20091224 IL 2002-159947  
 20020910 <--  
 ZA 2004000413 A 20050120 ZA 2004-413  
 20040120 <--  
 US 20040209923 A1 20041021 US 2004-485125  
 20040126 <--  
 US 7696232 B2 20100413  
 IN 2004MN00090 A 20070706 IN 2004-MN90  
 20040205 <--  
 IN 218482 A1 20080509  
 MX 2004002648 A 20040607 MX 2004-2648  
 20040319 <--  
 KR 783260 B1 20071206 KR 2004-704134  
 20040320 <--

IN 2005MN00443	A	20050930	IN 2005-MN443
20050517 <--			
IN 218604	A1	20080509	
US 20100152194	A1	20100617	US 2010-711285
20100224 <--			
PRIORITY APPLN. INFO.:			US 2001-323941P P
20010921 <--			WO 2002-US30302 W
20020910 <--			US 2004-485125 A3
20040126			

L12 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN  
GI



AB The title compds. [I; B = O, S; J = (un)substituted Ph, naphthyl, 5-6 membered heteroarom. ring, etc.; K, together with the two contiguous linking carbon atoms = a fused Ph, or fused pyridinyl, each optionally substituted with 1-4 R4; R3 = G, alkyl, cycloalkyl, etc.; G = (un)substituted Ph, 5-6 membered heteroarom. ring, etc.; R4 = H, alkyl, haloalkyl, etc.; n = 1-4], useful for controlling invertebrate pests, were prepared E.g. a multi-step synthesis of II which provided very good level of plant protection (20% or less feeding damage) in test on diamondback moth (*Plutella xylostella*)/radish plant, was given. This invention also pertains to certain compds. I and compns. for controlling invertebrate pests comprising a biol. effective amount of a compound I and at least one addnl. component selected from the group consisting of surfactants, solid diluents and liquid diluents. [This abstract record is one of 3 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

ACCESSION NUMBER: 2002:465981 CAPLUS Full-text  
 DOCUMENT NUMBER: 137:47212  
 TITLE: Preparation of quinazolinones and pyridopyrimidinones  
 for controlling invertebrate pests  
 INVENTOR(S): Annis, Gary David; Myers, Brian James; Selby, Thomas  
 Paul; Stevenson, Thomas Martin; Zimmerman, William  
 Thomas

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 180 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2002048115 20011203 <--	A2	20020620	WO 2001-US46629	
WO 2002048115	A3	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, GE, GH, LK, LR, PH, PL, UA, UG, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, SE, TR, TD, TG	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, US, UZ, VN, YU, ZA, ZW CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,			
WO 2002048115 20011203 <--	A2	20020620	WO 2001-XA46629	
WO 2002048115	A3	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, GE, GH, LK, LR, PH, PL, UA, UG, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, SE, TR, TD, TG	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, US, UZ, VN, YU, ZA, ZW CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,			
WO 2002048115 20011203 <--	A2	20020620	WO 2001-XB46629	
WO 2002048115	A3	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,				

GE, GH,  
 LK, LR,  
 PH, PL,  
 UA, UG,  
 RW:  
 BE, CH,  
 SE, TR,  
 TD, TG  
 AU 2002027243                    A                    20020624                    AU 2002-27243  
 20011203 <--  
 EP 1341772                        A2                    20030910                    EP 2001-996125  
 20011203 <--  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT,  
 MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 JP 2004515543                    T                    20040527                    JP 2002-549646  
 20011203 <--  
 US 20040110777                    A1                    20040610                    US 2003-433368  
 20031014 <--  
 PRIORITY APPLN. INFO.:                                    US 2000-254614P                    P  
 20001211 <--  
 WO 2001-US46629  
 20011203 <--

E FUNKE CHRIS?/AU  
 L13                                88 S E133-137  
 L14                                16 S L13 AND L10  
 L15                                6 S L14 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L16                                5 S L15 NOT L12  
 E FISCHER REINER?/AU  
 L17                                430 S E146-151  
 L18                                14 S L17 AND L10  
 L19                                6 S L18 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L20                                5 S L19 NOT L12  
 L21                                0 S L20 NOT L16  
 E FISCHER RUDIGER?/AU  
 L22                                18 S E157-158  
 L23                                0 S L22 AND L10  
 E HUNGENBERG HEIKE?/AU  
 L24                                133 S E169-170  
 L25                                35 S L24 AND L10  
 L26                                6 S L25 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L27                                0 S L26 NOT (L12 OR L16)  
 E ANDERSCH WOLFRAM?/AU  
 L28                                121 S E181-182  
 L29                                20 S L28 AND L10  
 L30                                6 S L29 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
 L31                                0 S L30 NOT (L12 OR L16)  
 E KRAUS ANTON?/AU  
 L32                                31 S E193-194

L33 9 S L32 AND L10  
L34 6 S L33 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)  
L35 0 S L34 NOT (L12 OR L16)